DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement (IDS) submitted on 10/11/2010 has been considered by the examiner.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Eric C. Smith (65,622) on December-21-2010.

The application has been amended as follows:

IN THE CLAIMS

Claim 1: A method comprising: receiving, at a streaming media cache, a request from a first client system for a stream of media data, the stream of media data including a first streaming media data packet representing a particular portion of the stream of media data; receiving, at the streaming media cache, a request from a second client system for the stream of media data; receiving, at the streaming media cache, the first streaming media data packet from an upstream server, the first streaming media data

packet including a delivery time at which the first streaming media data packet scheduled to be delivered to each of the first and second client systems; pseudo-randomly selecting a first delay value and adding the first delay value to the delivery time of the first streaming media data packet to form a first modified delivery time for the first streaming media data packet; pseudo-randomly selecting a second delay value and adding the second delay value to the delivery time of the first streaming media data packet to form a second modified delivery time for the first streaming media data packet; modifying the first streaming media data packet with the first modified delivery time in the streaming media cache to form a first modified first streaming media data packet; adding the first delay value to a delivery time of a second streaming media data packet of the stream of media data to form a first modified delivery time for the second streaming media data packet; adding the second delay value to the delivery time of the second streaming media data packet to form a second modified delivery time for the second streaming media data packet; modifying the first streaming media data packet with the second modified delivery time in the streaming media cache to form a second modified first streaming media data packet; modifying the second streaming media data packet with the first modified delivery time to form a first modified second streaming media data packet; outputting the first modified first streaming media data packet from the streaming media cache to the first client system to cause the first modified first streaming media data packet to be delivered to the first client system at the first modified delivery time; and outputting the second modified first streaming media data packet from the streaming media cache to the second client system to cause the

second modified first streaming media data packet to be delivered to the second client system at the second modified delivery time.

Claim 6: The method of claim 2, ~~wherein the stream of media data further includes a second streaming media data packet, and wherein the second streaming media data packet includes a delivery time at which the second streaming media data packet is scheduled to be delivered to each of the first and second client systems, the method~~ further comprising: ~~adding the first delay value to the delivery time of the second streaming media data packet to form a first modified delivery time for the second streaming media data packet; adding the second delay value to the delivery time of the second streaming media data packet to form a second modified delivery time for the second streaming media data packet; modifying the second streaming media data packet with the first modified delivery time to form a first modified second streaming media data packet;~~ modifying the second streaming media data packet with the second modified delivery time to form a second modified second streaming media data packet; outputting the first modified second streaming media data packet to the first client system at the first modified delivery time; and outputting the second modified second streaming media data packet to the second client system at the second modified delivery time.

Claim 9: A computer system for providing streaming media data to client systems, the computer system comprising: a processor; a network interface, coupled to the processor, through which to communicate data over a network; and a computer-readable storage medium, coupled to the processor and storing a first thread to configure the processor to receive a request from a first client system and a second client system for a stream of data packets representing particular portions of a media stream, wherein the stream of data packets includes a first data packet and a second data packet, the first thread also configured to pseudo-randomly select a first client delay and to pseudo-randomly select a second client delay; a second thread to configure the processor to receive the first data packet from an upstream server, wherein the first data packet specifies a first delivery time, the second thread also configured to form a first delayed first data packet from the first data packet based on the first client delay and to form a second delayed first data packet from the first data packet based on the second client delay, and wherein the first delayed first data packet specifies a first delayed delivery time and the second delayed first data packet specifies a second delayed delivery time; a third thread to configure the processor to receive the second data packet from the upstream server, wherein the second data packet specifies a first delivery time for the second data packet, the second thread also configured to form a first delayed second data packet from the second data packet based on the first client delay and to form a second delayed second data packet from the second data packet based on the second client delay, and wherein the first delayed second data packet specifies a first delayed delivery time for the first delayed second data packet

and the second delayed second data packet specifies a second delayed delivery time for the second delayed second data packet; a ~~third~~ fourth thread to configure the processor to deliver the first delayed first data packet to the first client system to cause the first delayed data packet to be delivered to the first client system at the first delayed delivery time, instead of delivering the first data packet to the first client system at the first delivery time; and a ~~fourth~~ fifth thread to configure the processor to deliver the second delayed first data packet to the second client system to cause the second delayed first data packet to be delivered to the second client system at the second delayed delivery time, instead of delivering the first data packet to the second client system at the first delivery time.

Claim 12: The computer system of claim 9, wherein the plurality of threads further comprising a ~~fifth~~ sixth thread configured to store payload portions of the first data packet and payload portions of the second data packet in a memory.

Claim 16: Canceled.

Claim 17: The ~~method of claim of claim 16~~ computer system of claim 9, wherein the first packet of data is framed.

Claims 18 through 26: Canceled.

Allowance

3. Claims 1-3, 5, 6, 8-12 and 17 are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ASGHAR BILGRAMI whose telephone number is (571)272-3907. The examiner can normally be reached on 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tonia L.M. Dollinger can be reached on 571-272-4170. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/A. B./
Examiner, Art Unit 2443
/Larry Donaghue/
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